Nanodisc Human ACM1 Protein

HDFP169

Product Information

Product SKU:	HDFP169	**Expression Host**:	HEK293	**Size**:	10µg
Target:	ACM1	**Tag**:	C-Flag Tag		

Additional Information

Conjugate:	Unconjugated	**Uniprot ID:**	P11229
Molecular Weight:	The human full length ACM1 protein has a MW of 51.4kDa		

Protein Information

Background:	The muscarinic cholinergic receptors belong to a larger family of G protein-coupled receptors. The functional diversity of these receptors is defined by the binding of acetylcholine and includes cellular responses such as adenylate cyclase inhibition, phosphoinositide degeneration, and potassium channel mediation. Muscarinic receptors influence many effects of acetylcholine in the central and peripheral nervous system. The muscarinic cholinergic receptor 1 is involved in mediation of vagally-induced bronchoconstriction and in the acid secretion of the gastrointestinal tract. The gene encoding this receptor is localized to 11q13. [provided by RefSeq, Jul 2008]
Synonyms:	HM1, M1, M1R
Protein Description:	Human ACM1 full length protein-synthetic nanodisc
Formulation:	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.
Protein Pathways:	Calcium regulation in cardiac cells, GPCRDB Class A Rhodopsin-like, Monoamine GPCRs, Regulation of Actin Cytoskeleton KEGG.
Protein Families:	GPCR, Transmembrane, Druggable Genome.

Contact Details | Dublin, Ireland
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Usage:	Research use only
Storage & Shipping:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

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